

SQ1000/2000 Series

Manifold Option for SQ1000/2000

Negative Common Specifications

The following valve part numbers are for negative common specifications. Manifold part numbers are the same as standard.

● How to order negative common valves (Example)

SQ1140 N -5L1-C6

↓ Negative common specifications

Inch-size One-touch Fittings

For One-touch fittings in inch sizes, use the following part numbers. Also, the color of the release button is orange.

● How to order valves (Example)

SQ1140-5L1-□ N7

Nil	Side ported
L	Top ported

↓ Cylinder port

Symbol	N1	N3	N7	N9
Applicable tubing O.D. (Inch)	ø1/8"	ø5/32"	ø1/4"	ø5/16"
4(A), 2(B) port	●	●	●	—
	—	●	●	●

● How to order manifold (Example)

Add "00T" at the end of the part number.

SS5Q14-08FD0-DN-00T

↓ 1 (P), 3 (R) port in inch size
 { SQ1000: ø5/16" (N9)
 { SQ2000: ø3/8" (N11)

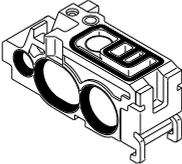
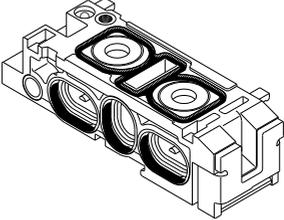
How to Increase Manifold Stations for SQ1000/2000

1. How to Increase Manifold Stations

What to order

- Valves with manifold block (refer to pages 829 and 843) or the manifold blocks shown below. For F kit, P kit, and J kit, also order the lead wire assemblies in the next section.

Manifold Block Part No.

SQ1000	SQ2000												
													
<p>SSQ1000-1A-4-□</p> <p>Option ●</p> <table border="1"> <tr> <td>Nil</td> <td>None</td> </tr> <tr> <td>B</td> <td>Back pressure check valve</td> </tr> <tr> <td>R</td> <td>External pilot specifications</td> </tr> </table> <p>Note) Enter "-BR" for both options.</p>	Nil	None	B	Back pressure check valve	R	External pilot specifications	<p>SSQ2000-1A-4-□</p> <p>Option ●</p> <table border="1"> <tr> <td>Nil</td> <td>None</td> </tr> <tr> <td>B</td> <td>Back pressure check valve</td> </tr> <tr> <td>R</td> <td>External pilot specifications</td> </tr> </table> <p>Note) Enter "-BR" for both options.</p>	Nil	None	B	Back pressure check valve	R	External pilot specifications
Nil	None												
B	Back pressure check valve												
R	External pilot specifications												
Nil	None												
B	Back pressure check valve												
R	External pilot specifications												

How to Increase Manifold Stations for SQ1000/2000

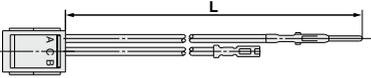
For F kit, P kit

What to order: Lead wire assembly

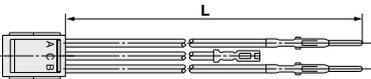
SQ1000

D-sub connector kit (F kit)

● For single wiring **SSQ1000-40A-F-205**



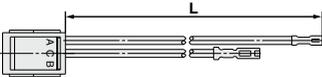
● For double wiring **SSQ1000-41A-F-280**



Stations	Symbol (L dimension)	Stations	Symbol (L dimension)
Station 2	165	Station 14	320
Station 3	175	Station 15	335
Station 4	190	Station 16	350
Station 5	205	Station 17	365
Station 6	215	Station 18	375
Station 7	230	Station 19	385
Station 8	245	Station 20	400
Station 9	260	Station 21	405
Station 10	280	Station 22	420
Station 11	290	Station 23	435
Station 12	300	Station 24	450
Station 13	310		

Flat ribbon cable kit (P kit)

● For single wiring **SSQ1000-40A-P-200**



● For double wiring **SSQ1000-41A-P-275**

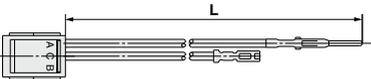


Stations	Symbol (L dimension)	Stations	Symbol (L dimension)
Station 2	160	Station 14	315
Station 3	170	Station 15	330
Station 4	185	Station 16	345
Station 5	200	Station 17	360
Station 6	210	Station 18	370
Station 7	225	Station 19	380
Station 8	240	Station 20	395
Station 9	255	Station 21	400
Station 10	275	Station 22	415
Station 11	285	Station 23	430
Station 12	295	Station 24	445
Station 13	305		

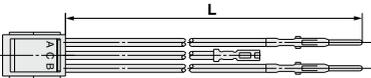
SQ2000

D-sub connector kit (F kit)

● For single wiring **SSQ1000-40A-F-250**



● For double wiring **SSQ1000-41A-F-350**



Stations	Symbol (L dimension)	Stations	Symbol (L dimension)
Station 2	190	Station 14	430
Station 3	210	Station 15	450
Station 4	230	Station 16	470
Station 5	250	Station 17	490
Station 6	270	Station 18	510
Station 7	290	Station 19	530
Station 8	310	Station 20	550
Station 9	330	Station 21	570
Station 10	350	Station 22	590
Station 11	370	Station 23	610
Station 12	390	Station 24	630
Station 13	410		

Flat ribbon cable kit (P kit)

● For single wiring **SSQ1000-40A-P-250**



● For double wiring **SSQ1000-41A-P-350**



Stations	Symbol (L dimension)	Stations	Symbol (L dimension)
Station 2	190	Station 14	430
Station 3	210	Station 15	450
Station 4	230	Station 16	470
Station 5	250	Station 17	490
Station 6	270	Station 18	510
Station 7	290	Station 19	530
Station 8	310	Station 20	550
Station 9	330	Station 21	570
Station 10	350	Station 22	590
Station 11	370	Station 23	610
Station 12	390	Station 24	630
Station 13	410		

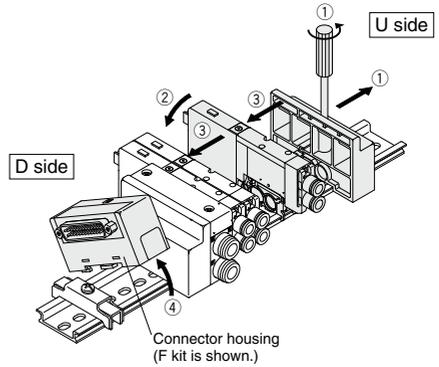
SV
SYJ
SZ
VF
VP4
VQ 1/2
VQ 4/5
VQC 1/2
VQC 4/5
VQZ
SQ
VFS
VFR
VQ7

SQ1000/2000 Series

How to Increase Manifold Stations for SQ1000/2000

Steps for adding stations

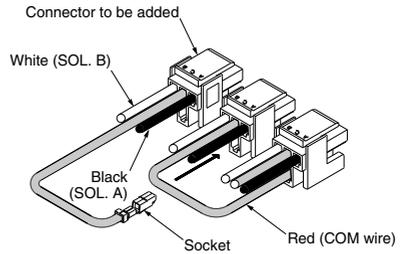
- 1 Loosen the clamp screw on the U side end plate and open the manifold.
- 2 Mount the manifold block or valve with manifold block to be added.
- 3 Press on the end plate to eliminate any space between the manifold blocks and tighten the clamp screw.
(Proper tightening torque: 0.8 to 1.0 N·m)
- 4 In the case of F kit or P kit, remove the connector housing from the DIN rail and connect the wiring.



2. Connection Method

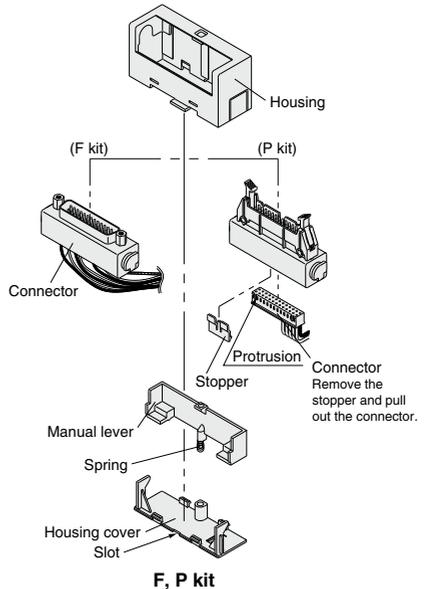
(1) Connecting common wire

Insert the red lead wire (common wire) of the connector to be added into the adjacent connector as shown in the drawing below. After inserting, lightly pull on the wire to confirm that the socket is locked.



(2) Pulling out connector

Pull out the connector to connect the lead wires for SOL. A and SOL. B. Insert a flat head screwdriver into the slot of the housing cover and remove it. Remove the manual lever and pull out the connector.

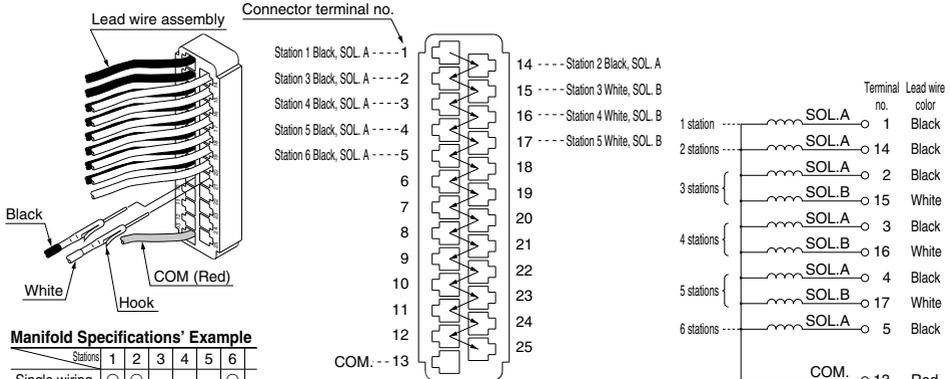


(3) Connector connection/Connect the black and white lead wire pins to the positions shown below in accordance with each kit.

- ⚠ Caution**
- After inserting the pin, confirm that the pin hook is locked by lightly pulling the lead wire.
 - Do not pull the lead wire forcefully when connecting. Also, take care that lead wires do not get caught between manifolds or when remounting the housing.

Wiring (F Kit: D-sub Connector Kit)

Procedure) Based on the manifold specifications, station 1 of SOL.A (black wire) will be terminal number 1 of the D-sub connector, and for station 2 and thereafter, connect black wires, then white wires in the order as shown below by the arrows.



Manifold Specifications' Example

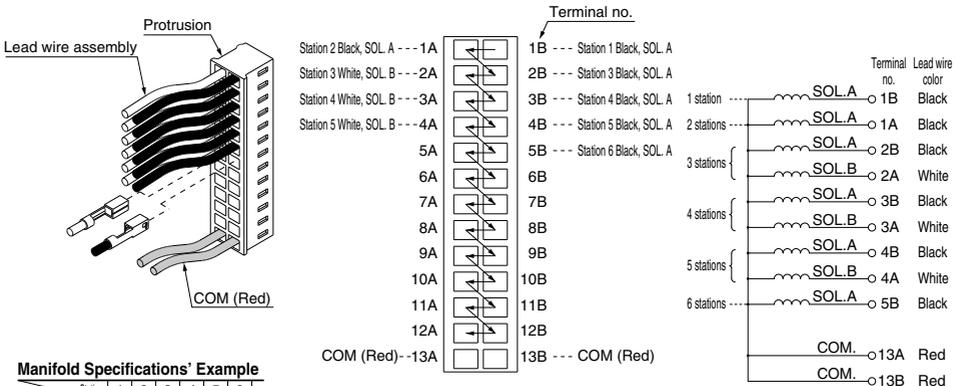
Stations	1	2	3	4	5	6
Single wiring	○	○				
Double wiring			○	○	○	

* The drawing above shows connections based on the manifold specifications' example in the table to the left.

SV
SYJ
SZ
VF
VP4
VQ 1/2
VQ 4/5
VQC 1/2
VQC 4/5
VQZ
SQ
VFS
VFR
VQ7

Wiring (P Kit: Flat Ribbon Cable Kit)

Procedure) Based on the manifold specifications, station 1 of SOL.A (black wire) will be terminal number 1B of the flat ribbon cable connector, and for station 2 and thereafter, connect black wires, then white wires in the order as shown below by the arrows.



Manifold Specifications' Example

Stations	1	2	3	4	5	6
Single wiring	○	○				○
Double wiring			○	○	○	

* The drawing above shows connections for type 26P flat ribbon cable connector based on the manifold specifications' example in the table to the left. For type 20P, the connection will be the same as above except that COM changes to 10A and 10B.